

Active Federal Aid Projects, Studies (Work Plans),
Jobs and Items Under the Federal Aid Program as of 1 July 1991

Dingell-Johnson (D-J) Projects

F-34-D - Statewide Fisheries Development -

renews 1 July; current segment year No. 24, \$ 1,100,000
(825,000 Federal share); current AFA expires 30 June 1996.

	<u>Activity Code No.</u>
Work Item No. 1 - Hatchery general repairs	109
Work Item No. 2 - Access improvement of selected streams	101
Work Item No. 3 - Access improvement of selected ponds	101
Work Item No. 4 - Maintain boat ramp facilities at selected ponds	103
Work Item No. 5 - Stream improvement at selected streams and structures installed in four ponds	101
Work Item No. 6 - Special regulations and unique fisheries signs	110
Work Item No. 7 - Investigation of fish kills	112
Work Item No. 8 - Production of landlocked salmon, northern pike and brown trout (for coastal streams)	108 107 113

F-44-R - Fisheries Survey and Inventory

renews 1 July; current segment year No. 13, \$ 466,000
(349,500 Federal share); current AFA expires 30 June 1994.

Study I - Quabbin Reservoir Investigations

Job 1 - Smelt Stock Assessment	201
Job 4 - Creel Survey of Quabbin Reservoir	202

Study II - Biological Survey of Lakes, Ponds, Rivers and Brooks

Job 1 -	Biological Survey of Lakes and Ponds	203
Job 2 -	Biological Survey of Rivers and Brooks	204

Study III - Sociological Survey of Lakes, Ponds, Rivers and Brooks

Job 1 -	Statewide Creel Survey of Inland Fisheries	205
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Study VI - Chemical Survey of Inland Waters

Job 1 -	Chemical Survey of Inland Waters	214
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F-45-R - Anadromous Fish Investigations -

renews 1 July; current segment year No. 10, \$300,000
(225,000 Federal share), current AFA expires 30 June 1992

Study I - Connecticut River Anadromous Fish Investigations

Massachusetts Division of Fisheries and Wildlife

Job 3 - Connecticut River Technical Assistance	301
Job 10 - Rearing Atlantic Salmon at Reed Hatchery	313

Massachusetts Cooperative Fishery Research Unit

Job 1 - Holyoke Fish Passage Facility	305
Job 2 - Turners Falls Fish Passage Facility	306
Job 4 - Shad Harvest - Holyoke	314
Job 13 - Atlantic Salmon Habitat Estimation	304

Study II - Merrimack River Anadromous Fish Investigations

Massachusetts Division of Fisheries and Wildlife

Job 1 - Essex Dam Fish Passage Facility	308
Job 2 - Pawtucket Dam Fish Passage Facility	312
Job 3 - Merrimack River Technical Assistance	309

F-46-L - Supplemental Fisheries Land and Access Acquisition -

current AFA expires 31 December 1993.

No currently active segments.

F-47-E - Aquatic Resources Education Project -

renews 1 July; current segment year No. 6, \$264,000
(198,000 Federal share); current AFA expires 30 June 1996; includes
\$104,000 (78,000 Federal share) for the Division of Marine
Fisheries (DMF).

Study I - Outreach and Public Involvement

Job 1 - Administration	70
Job 2 - Volunteer Training and Motivation	71
Job 3a - Production of Educational Material	72
Job 3b - Project WILD Supplies	75
Job 4 - Public Appearances and Displays	73
Job 5 - Production of Education Material (DMF)	74
Job 6 - Youth Education in Conservation and Marine Recreational Fishing (DMF)	76

Study II - Merrimack River Watershed Education Program

Job 1 - Recruitment/Teacher Training	77
Job 2 - Data Gathering, Student Congress	78

Study III - Assessment of Program Needs

Job 1 - Needs Assessment	79
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F-48-R - (DMF) Marine Recreational Fisheries Survey -

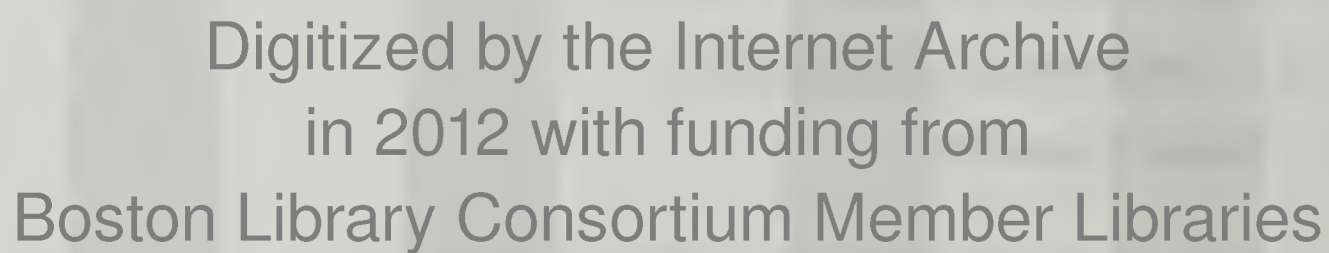
renews 1 January; current segment year No. 5, \$128,000
(96,000 Federal share); current AFA expires 31 December 1991

Job 1 - Intercept Survey	1001
Job 3 - Data Processing and Report Preparation	1003
Job 6 - Data Consolidation and Report	1006

F-49-T - (DMF) Technical Assistance in Marine Recreational
Fisheries Management -

renews 1 January; current segment year No. 5, \$300,000
(225,000 Federal share); current AFA expires 31 December
1991.

Job 1 - Technical Assistance to Recreational Fisheries Management Agencies	1201
Job 2 - Technical Assistance to Environmental, Health and Access Agencies	1202



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Job 3 - Technical Assistance to Private Sector Agencies	1203
Job 4 - Technical Assistance to Administration	1204

F-50-D - Massachusetts Recreational Boating Accommodation Project

Segments activated as acquisitions and/or developments occur. Current segment No. 2 - Development of Access Facility at Back River, Weymouth, \$360,000 (\$270,000 Federal share)	1102
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Current Segment No. 3 - Development of Access Facility at Cole's River, Swansea, \$260,000 (\$195,000 Federal share); current AFA expires 31 December 1991.	1103
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F-55-R - Winter Flounder Management Plan Development -
renews 1 September; current segment year No. 2, \$45,000 (\$33,750 Federal share); current AFA expires 31 August 1991

Job 1 - Winter Flounder Management Plan Development	1211
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F-56-R - (DMF) Massachusetts Fishery Resource Assessment
renews 1 January; current segment year No. 1, \$249,000 (\$186,750 Federal share); current AFA expires 31 December 1994

Job 1 - Fishery Resource Assessment, Coastal Massachusetts	1221
Job 2 - Winter Flound Year-Class Strength	1222

F-100-R - Connecticut River Basin Anadromous Fish Restoration, Coordination and Technical Assistance
renews 1 October; current segment year No. 8, \$5,000 (\$3,750 Federal share); current AFA expires 30 September 1992. Coordinator is an employee of the U. S. Fish and Wildlife Service.

Study I - Coordination and Technical Assistance

Job 1 - Coordination and Technical Assistance	300
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F-102-R - Cooperative Striped Bass Research, Coordination and Planning
renews 1 July 1991; current segment year No. 2, \$10,000
(\$7,500 Federal share); current AFA expires 30 June 1993.

Job 1 - Organization of Monitoring and Stock Assessment Work-shops	1240
Job 2 - Integration of Findings into Management Planning	1241
Job 3 - Coordination and Administration of Management Planning	1242

F - L - Land Acquisition, Rivers and Streams
inactive; may be activated at discretion of Division administration

Pittman-Robertson (P-R) Projects

W-9-D - Statewide Wildlife Development -
renews 1 July; current segment year No. 44, \$ 600,000
(\$450,000 Federal share); current AFA expires 30 June 1995.

	<u>Activity Code No.</u>
Work Item No. 1 - Buildings	601
Work Item No. 2 - Dams and Dikes	602
Work Item No. 4 - Bridges	603
Work Item No. 5 - Roads and Trails	604
Work Item No. 8 - Public Use Facilities	606
Work Item No. 11 - Signs and Boundary Markers	607
Work Item No. 12 - Tree and Shrub Plantings	608
Work Item No. 13 - Herbaceous Seeding	609
Work Item No. 15 - Vegetation Control	611
Work Item No. 21 - Timber Management; includes forest/wildlife planning - (MCWRU)	612
Work Item No. 22 - Nest Structures	614
Work Item No. 28 - Water Level Management	615

Work Item No. 29 - Project Administration	616
Work Item No. 30 - Managed Public Hunts	617
Work Item No. 31 - Custodial Functions	618
Work Item No. 34 - Miscellaneous Approved Activities,	
including 34a - Equipment Repairs and	619
Maintenance; 34b - Release and Prune	620
Apple Trees; 34c - Gate repair	621

W-35-R - Game Population Trend and Harvest Survey
 renews 1 July; current segment year No. 34, \$466,000
 (\$349,500 Federal share); current AFA expires 30 June 1995

Study I - Statewide Game Harvest-

Job 2 - Statewide Beaver Harvest	702
Job 6 - Statewide Otter Investigations	703
Job 7 - Bobcat Harvest and Evaluation.	704
Job 8 - Coyote Investigations and Harvest Survey	705
Job 11 - Statewide Furbearer Tallies	706
Job 13 - Furbearer Population Models (MCWRU)	728
Job 14 - Fisher Harvests	729
Job 15 - Fox Harvest Investigations	730
Job 16 - Furbearer Management Surveys	731
Job 17 - Mink Harvests Investigations	732

Study II - Massachusetts White-tailed Deer Study

Job 1 - Statewide Deer Harvest	707
Job 2 - Non-hunting Deer Mortality	708
Job 3 - Deer Fertility Studies	740
Job 4 - Deer Management Recommendations	709
Job 7 - Deer Habitat Evaluation	721
Job 8 - Movements and Habitat Use of White-tailed Deer Fawns in Western Massachusetts (MCWRU)	722
Job 9 - Mortality of White-tailed Deer Fawns in Western Massachusetts (MCWRU)	723

Study III - Census and Banding of Game Birds and Mammals

Job 1 - Mourning Dove Census	710
Job 2 - Bobwhite Quail Census	711
Job 3 - Woodcock Census	712

Study IV - Wild Turkey Restoration Study

Job 3 - Turkey Range and Harvest Evaluation	713
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Study VI -	Black Bear Study	
Job 1 -	Black Bear Distribution and Harvest Investigations	715
Job 6 -	Response of Bears to Habitat and Land Use Changes (MCWRU)	733
Study VII -	<u>Trap Study Evaluation</u>	
Job 2 -	Trap Standards Committee	734
Study XXIII -	<u>New England Cottontail Restoration</u>	
Job 1 -	Trap and Transplant of New England Cottontails	717
Job 2 -	Cottontail Distribution and Harvest	739
Study XXV -	<u>Furbearer Habitat Research</u>	
Job 1 -	Wetland/Beaver Complex Management	735
Job 2 -	Important Furbearer Habitat Investigation	736
Study XXVI -	<u>Investigation in Reduction of Wildlife/Human Conflicts</u>	
Job 1 -	Wildlife Predation on Domestic Stock	737
Study XXVII -	<u>Investigations of Wildlife Pathogens and Epizootics</u>	
Job 1 -	Investigation of Parasitic, Viral and Bacterial Agents	738
W-40-R -	<u>Cooperative Waterfowl Banding Project -</u> renews 1 January; current segment No. 27, \$ 6,500 (\$4,875 Federal share); current AFA expires 31 December 1995	851
W-42-R -	<u>Massachusetts Waterfowl Research Program</u> renews 1 April; current segment year No. 25, \$192,000 (\$144,000 Federal share), current AFA expires 31 March 1995	
Study II -	<u>Coastal and Inland Waterfowl Banding</u>	
Job 3 -	Preseason Banding	802
Study IV -	<u>Wood Duck Population Study</u>	
Job 8 -	Wood Duck Production Survey	805
Job 9 -	Experimental Box for Low-use Areas	820

Study VIII - Waterfowl Inventory Flights

Job 1 - Waterfowl Inventory Flights 806

Study IX - Atlantic Waterfowl Council Activities

Job 1 - Atlantic Waterfowl Council Activities 808

Job 2 - Atlantic Waterfowl Council Special Projects 813

Study XII - Massachusetts Experimental Waterfowl Season

Job 2 - Evaluation of Zoned Experimental Waterfowl Seasons 809

Job 3 - Experimental Black Duck Harvest Restrictions 815

Study XVI - Waterfowl Production Study

Job 2 - Mallard-Black Duck Breeding Survey - pilot study 821

Job 3 - Mallard-Black Duck Productivity 827

Study XVII - Project Administration

Job 1 - Project Administration 810

Study XVIII - Canada Goose Population Study

Job 1 - Canada Goose Parts Collection Survey 811

Job 2 - Canada Goose Banding 816

Job 5 - Canada Goose Migration Survey 819

Job 6 - Late Season Goose Harvests 822

Study XIX - North American Waterfowl Management Plan

Job 1 - Habitat Venture 824

Job 2 - Black Duck Venture 825

Job 3 - Sea Duck Venture 826

W-43-D - Hunter Education Training Center Development

renews 1 January; current segment year No. 7, \$144,000

(\$108,000 Federal share); current AFA expires 31 December 1994

Work Plan I - Renovate the Main Building

Job 5 - Install Janitorial Services Contract

Job 8 - Repair Plumbing and Refurbish Lavatory System

- Job 9 - Install Office Equipment, Copy Machine, Dark Room and Laboratories
 - a. Copy Machine Rental
 - b. Purchase Computer
- Job 12 - Install Security System
 - a. Intruder Detection System
 - c. Intruder Detection System on Firearms Vault

Work Plan II - Recondition the Dormitory Building

- Job 1 - Upgrade Heating System
 - a. Install New Hot Water Heater
 - b. Other Plumbing and Heating
- Job 2 - Repair Roof, Gutters and Windows
- Job 3 - Repair and Upgrade Lavatory and Shower System
- Job 5 - Conform with Safety Codes
 - b. Update Electrical Wiring and Heating System

Work Plan III - Improve Accessibility of Training Center

- Job 1 - Repair and Recondition Access Road
- Job 2 - Post Directional Signs to Center

Work Plan IV - Instruction and Improvement in Use of Hunting Weaponry

- Job 1 - Small-bore Rifle Range - inactive
- Job 2 - Trap Range Development - inactive
- Job 3 - Archery Range Complex Development - inactive
- Job 4 - Simulated Hunting Experience Development

W-43-S - Hunter Education Program

renews 1 July; current segment year No. 21, \$440,000
(\$330,000 Federal share); current AFA expires 30 June 1992

- Job 1-1 - Administration, Statewide
- Job 1-2 - Staff Recruitment, Training and Region Evaluation
- Job 2 - Volunteer Instructor Recruitment, Training and Evaluation
- Job 3 - Student Recruitment, Training and Evaluation
- Job 4 - Public Awareness
- Job 5 - Training Facilities
- Job 6 - Advanced Training - Bowhunting; Black Powder; Trapping; Map, Compass and Survival; Waterfowl Identification; and steel shot

W-48-L - Supplemental Wildlife Land and Access Acquisition Project
AFA effective 1 January 1989 and will expire 31 December
1993; no currently active segments

Combined Pittman-Robertson and Dingell-Johnson (P-R/D-J) Projects

FW-2-C - Fish and Wildlife Federal Aid Program Administration 50
renews 1 October; current segment year No. 15, \$96,000
(\$72,000 Federal share); 50% P-R, 50% D-J; current AFA
expires 30 September 1991

FW-9-T - Technical Assistance in Fisheries and Wildlife
renews 1 January; current segment year No. 10; \$140,000
(\$105,000 Federal share); 20% P-R, 80% D-J; current AFA
expires 31 December 1993

Study I - Technical Assistance to Federal, Interstate and State 51
Government Agencies

Job 1 - Technical Assistance to Federal, Interstate and State
Government Agencies

Study II - Technical Assistance to Municipal or Town Conservation 52
Commissions

Job 1 - Technical Assistance to Municipal or Town Conservation
Commissions

Study III - Technical Assistance to Private Organizations or 53
Individuals

Job 1 - Technical Assistance to Private Organizations or
Individuals

E-1 - Natural Heritage and Endangered Species Program
renews 1 January; current segment year No. 9, \$36,000
(\$29,500 Federal share); current AFA expires 31 December 1995

Study VI - Investigations of Endangered Species, Candidate
Endangered Species, etc.

Job 1 - Bog Turtle 529
Job 2 - Banded Bog Skimmer 528
Job 3 - Regal Fritillary 528

Study X - Plymouth Red-bellied Turtle Study

Job 1003 - Population Monitoring and Reconnaissance² 405

Study XII - Piping Plover Studies

Job 1201 - Piping Plover Management Inventory 403

Job 1202 - Piping Plover Management Study³ 404

Study XIII - American Burying Beetle Study

Job 1301 - American Burying Beetle Statewide Inventory 522

Study XIV - Roseate Tern Study

Job 1404 - Ram Island Management 521

Study XV - Sandplain Gerardia Study

Job 1501 - Sandplain Gerardia Census 524

Job 1502 - Soil Scarification Experiment 525

Study XVI - Investigation of Endangered Tiger Beetle Species

Job 1601 - Puritan Tiger Beetle Investigations 523

Job 1602 - Northeastern Beach Tiger Beetle Investigations 526

² Work includes \$5,000 contract with private investigator

³ Work conducted under contract with Massachusetts Cooperative Wildlife Research Unit

Federal Funds Encumbered in Active Agreements as of 1 July 1991

	<u>Agreement Total Amount</u>	<u>Federal Share</u>
<u>Dingell-Johnson Program</u>		
DFW Fisheries Program	\$ 2,191,000	\$ 1,643,250
Marine Fisheries	\$ 836,000	\$ 627,000
Acess-DFW and DMF	\$ 630,000	\$ 472,000
DFW-Land Acquisition		
	\$ 3,657,000	\$ 2,742,750
<u>Pittman-Robertson Program</u>		
Hunter Education	\$ 584,000	\$ 438,000
Wildlife Management	\$ 1,399,000	\$ 1,049,250
	\$ 1,983,000	\$ 1,487,250
<u>Endangered Species Program</u>		
Endangered Species	\$ 36,000	\$ 29,500
Total amount of Federally- aided project agreements and Federal funds obligated as of 1 July 1991	\$ 5,676,000	\$ 4,259,500

Prepared by M/C
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Federal Aid Program Administrator

Date: 8/7/91

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